

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/003161 A3**

(51) International Patent Classification<sup>7</sup>: **C07K 14/47,**  
G01N 33/50

Meyrin (CH). SAUDRAIS, Cedric [FR/CH]; GeneProt, Inc., 2, Pré de la Fontaine, CH-1217 Meyrin (CH).

(21) International Application Number:  
PCT/EP2004/007046

(74) Agent: GRUBB, Phillip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

(22) International Filing Date: 29 June 2004 (29.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/484,103 30 June 2003 (30.06.2003) US

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): GENOVA LTD.; Canon's Court, 22 Victoria Street, Hamilton, HM 12 (BM).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for AT only*): NOVARTIS PHARMA GMBH [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): ARGOUUD-PUY, Gullaine [FR/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217 Meyrin (CH). BEDERR, Nassima [FR/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217 Meyrin (CH). BOUGUELERET, Lydie [FR/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217 Meyrin (CH). CUSIN, Isabelle [FR/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217 Meyrin (CH). MAHÉ, Eve [FR/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217 Meyrin (CH). NIKNEJAD, Anne [CH/CH]; GeneProt, Inc., 2, Pre de la Fontaine, CH-1217 Meyrin (CH). REFFAS, Samia [CH/CH]; GeneProt, Inc., 2, Pre-de-la-Fontaine, CH-1217

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
28 April 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: HUMAN SECRETED PROTEINS

(57) Abstract: The invention relates to novel secreted polypeptide species encoded by genomic sequences previously thought to be noncoding regions, which are differentially expressed in individuals with cardiovascular disorders. The invention also relates to isolated polynucleotides encoding such polypeptides, polymorphic variants thereof, and the use of said nucleic acids and polypeptides or compositions thereof in detection assays, for cardiovascular disorder diagnosis.

WO 2005/003161 A3